

BUMPERS

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DESCRIPTION AND OPERATION

PROTECTIVE MOLDINGS

All 1973 Opel bumpers are equipped with rubber protective moldings as standard equipment. The moldings are easily removed by removing the attaching nuts located on the inboard side of the bumper.

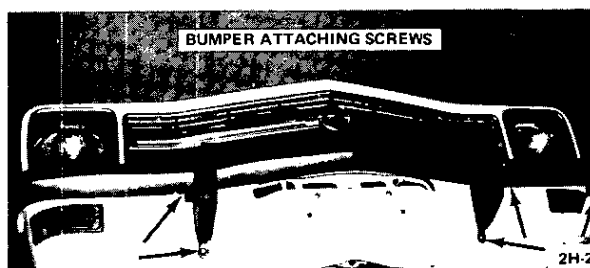


Figure 2H-2 Bumper Attaching Screws

MAJOR REPAIR

REMOVAL AND INSTALLATION OF FRONT BUMPER AND BUMPER GUARDS (OPEL 1900 • MANTA)

Removal

1. Remove bumper attaching screws on inside • left and right • and from left and right brackets. See Figure 2H-2.

2. From the front, unscrew bumper guard attaching screws. See Figure 2H-2.

Remove bumper and bumper guards.

Installation

1. Attach bumper guards to bumper.

2. From the front, secure bumper guards with attaching screws. See Figure 2H-2.

3. Install attaching bolts on left and right brackets, and on left and right inside. See Figure 2H-2.

REMOVAL AND INSTALLATION OF FRONT BUMPER BRACKETS (OPEL 1900 • MANTA)

The front bumper brackets are attached with three screws. Removal of the three screws will allow removal and installation of the front bumper brackets. See Figure 2H-3.

REMOVAL AND INSTALLATION OF REAR BUMPER AND GUARDS (OPEL 1900 • MANTA)

1. Remove license plate lamp.

2. Remove bumper attaching screws and bumper brackets. See Figure 2H-4.

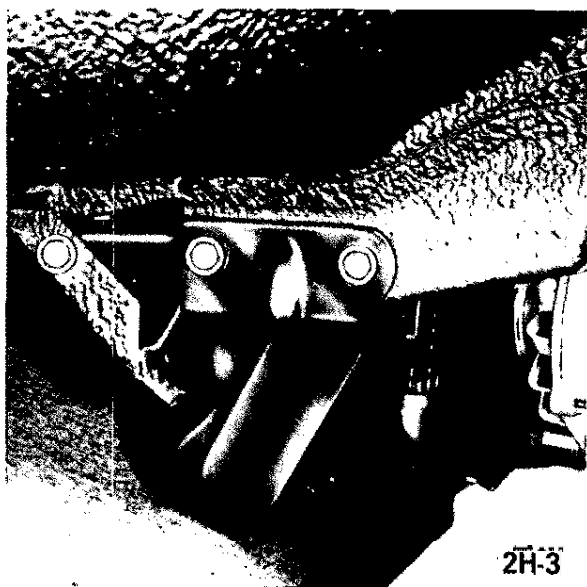


Figure 2H-3 Bumper Bracket Screws



Figure 2H-4 Bumper Attaching Screws

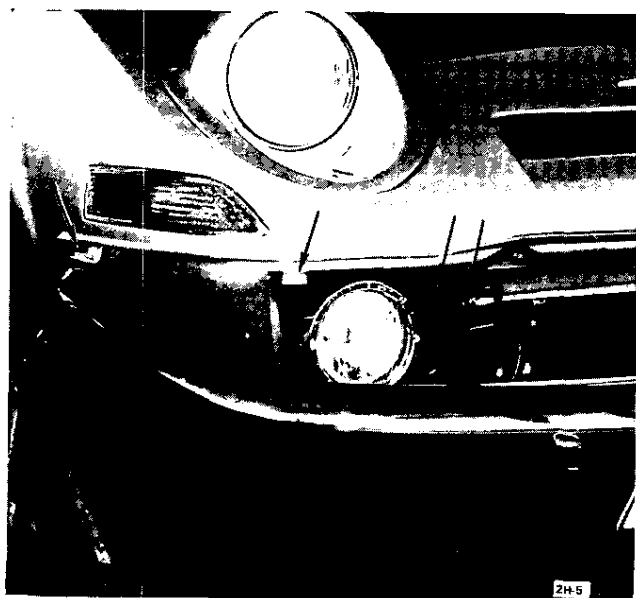


Figure 2H-5 Front Bumper Attaching Points

REMOVAL AND INSTALLATION OF FRONT BUMPER ASSEMBLY (GT)

Removal

1. Remove grille.
2. Disconnect bumper at points shown in Figure 2H-5 and remove bumper.

Installation

1. Install bumper and secure at points shown in Figure 2H-5.



Figure 2H-6 Removing Tail Lamp Assembly

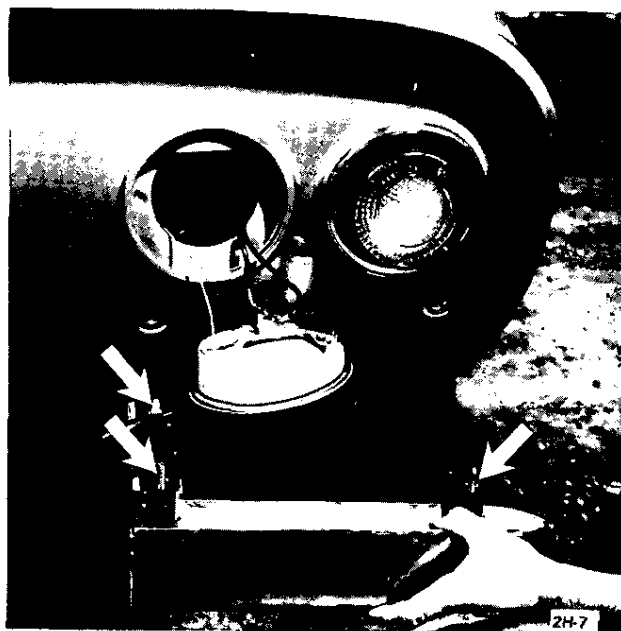


Figure 2H-7 Rear Bumper Attaching Points

2. Install grille.

REMOVAL AND INSTALLATION OF REAR BUMPER ASSEMBLY (GT)

Removal

1. Remove **tail** lamp assembly. See Figure 2H-6.

2. Remove bumper attaching nuts accessible through lamp opening. See Figure 2H-7.

Installation

1. **Install** bumper and secure with attaching nuts accessible through lamp opening. See Figure 2H-7.
2. Install tail lamp assembly. See Figure 2H-6.

INSTALLATION INSTRUCTIONS
1969 - 73 OPEL GT TRAILER HITCH LESS BALL

GROUP 7.068

- STEP 1. REMOVE ONE RIGHT HAND AND ONE LEFT HAND TAIL LAMP ASSEMBLY.
- STEP 2. PLACE TIE BAR (C) UNDER THE REAR BODY PANEL BY PULLING DOWN ON THE EXHAUST PIPES AND SLIDING THE TIE BAR OVER THE PIPES AND INTO POSITION. PLACE DRAW BAR (A) UNDER TIE BAR (C) AND FASTEN WITH A 1/2 x 2" HEX BOLT WITH LOCK WASHER AND NUT UNDER DRAW BAR (A). PLACE TIE BAR (B) UNDER DRAW BAR (A) AND SAFETY CHAIN PLATE (D) UNDER TIE BAR (B) AND FASTEN WITH A 1/2 x 2-1/4" HEX BOLT WITH FLAT WASHER, LOCK WASHER AND NUT BELOW SAFETY CHAIN PLATE (D).
- STEP 3. HOLD HITCH IN POSITION WITH TIE BAR (C) UNDER THE REAR BODY PANEL AND TIE BAR (B) BETWEEN THE BUMPER GUARDS. USING THE HOLES IN THE ENDS OF TIE BAR (C) AS A GUIDE, LOCATE, MARK AND DRILL TWO 1/2" HOLES IN THE VERTICAL PORTION OF THE REAR BODY PANEL. PLACE THE 3/16" SPACERS ON THE 1/2 x 1-1/2 HEX BOLTS AND BY REACHING THROUGH THE TAIL LAMP OPENINGS, INSERT THE BOLTS THROUGH THE BODY PANEL AND TIE BAR (C) AND FASTEN WITH LOCK WASHER AND NUT.
- STEP 4. ALIGN TIE BAR (B) BETWEEN THE BUMPER GUARDS AND LOCATE, MARK AND DRILL A 1/2" HOLE THROUGH BOTH SIDES OF THE BUMPER GUARD USING THE HOLES IN TIE BAR (B) AS A GUIDE. MAINTAIN 1/2 INCH MINIMUM CLEARANCE BETWEEN TOP OF DRAW BAR (A) AND BOTTOM OF BACK-UP LIGHT. FASTEN TIE BAR (B) TO THE BUMPER GUARDS WITH 1/2 x 3" BOLTS WITH TWO 1/2" SPACERS AND ONE 3/8" SPACER INSIDE EACH BUMPER GUARD. REPLACE TAIL LAMP ASSEMBLES.
- TIGHTEN ALL 1/2" NUTS TO A MAXIMUM TORQUE OF 60 FOOT LBS.
INSTALL BALL USING A MAXIMUM TORQUE OF 150 FOOT LBS.

MAXIMUM GROSS WEIGHT 1000 LBS.
MAXIMUM TONGUE WEIGHT 100 LBS.

MOST STATES PROHIBIT OBSTRUCTION OF LICENSE PLATES. BALL SHOULD BE REMOVED WHEN NOT IN USE IF IT OBSTRUCTS A CLEAR VIEW.

2H-8

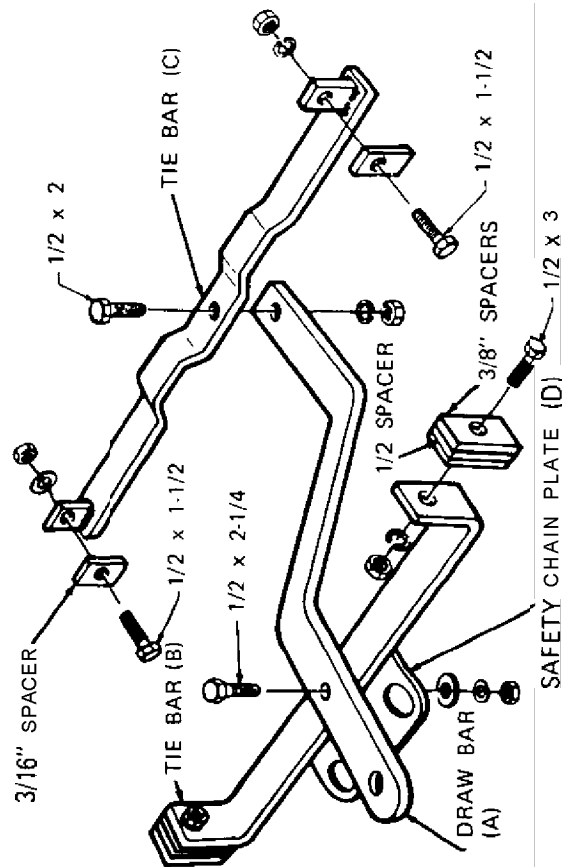


Figure 2H-8 GT Trailer Hitch Installation

INSTALLATION INSTRUCTIONS

1971 - 72 - 73 OPEL 1900 SERIES SW

GROUP NO. 7.068

REMOVE LICENSE PLATE

STEP 1. ASSEMBLE HITCH AS ILLUSTRATED. HOLD HITCH IN POSITION WITH FLOOR PLATE RESTING AGAINST THE CROSS FRAME IN FRONT OF GAS TANK. CENTER DRAW BAR SUPPORT ON THE REAR BODY PANEL, RAISE UNTIL LEVEL.

STEP 2. MARK AND DRILL TWO $7/16"$ HOLES IN REAR BODY PANEL AND ATTACH AS SHOWN.

STEP 3. DRILL TWO $1/2"$ HOLES IN CROSS FRAME IN FRONT OF THE GAS TANK AND CONTINUE DRILLING UP THROUGH THE INNER FLOOR. NOTE: HOLD DRILL VERTICAL WHILE DRILLING THROUGH THE INNER FLOOR. ENLARGE BOTTOM HOLE SLIGHTLY TO ACCEPT SPACER.

STEP 4. ATTACH TRUNK PLATE AS ILLUSTRATED. PLACE THE FLOOR PLATES ON THE $2\ 1/2"$ CARRIAGE BOLTS AND INSERTS THROUGH THE OPENINGS IN THE BACK OF THE TRUNK WELL. INSERT SPACERS AS SHOWN AND COMPLETE INSTALLATION.

REPLACE LICENSE PLATE.

TIGHTEN ALL $1/2"$ NUTS TO A MAXIMUM TORQUE OF 60 FOOT LBS. AND $7/16"$ NUTS TO A MAXIMUM OF 45 FOOT LBS.

INSTALL BALL USING A MAXIMUM TORQUE OF 150 FOOT LBS.

MAXIMUM GROSS WEIGHT 100 LBS

MAXIMUM TONGUE WEIGHT 100 LBS.

MOST STATES PROHIBIT OBSTRUCTION OF LICENSE PLATES. BALL SHOULD BE REMOVED WHEN NOT IN USE IF IT OBSTRUCTS A CLEAR VIEW.

2H-9

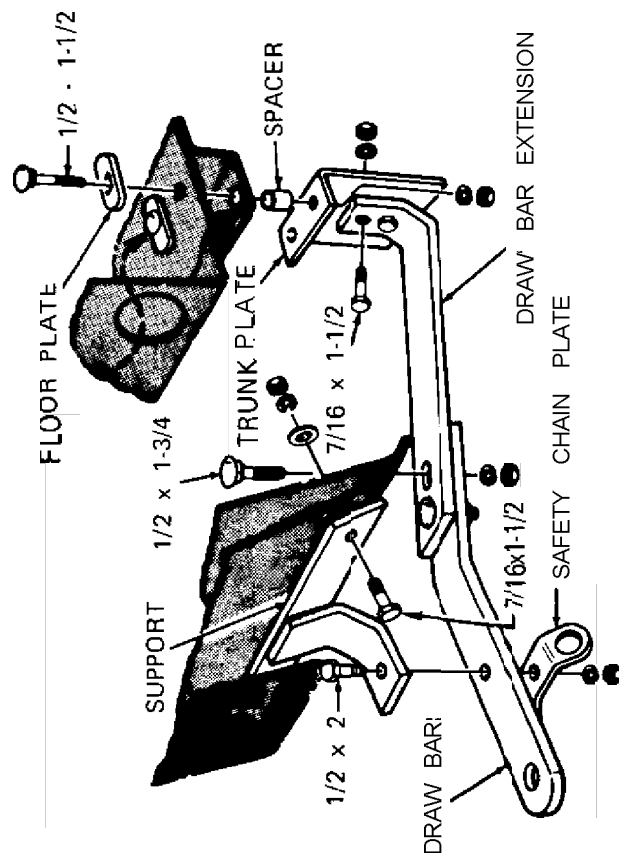


Figure 2H-9 Opel 1900 Wagon Trailer Hitch Installation